

Hatchery 00
Article 00



10/6/85

MAGIC VALLEY STEELHEAD HATCHERY

ANNUAL REPORT

By

October 1, 198⁸⁵~~4~~ - September 30, 198⁸⁶~~5~~

Prepared for U.S. Fish and Wildlife Service

Contract #14-16-801-85023



Robert L. Vaughn
Fish Hatchery Superintendent

MAGIC VALLEY STEELHEAD HATCHERY

ABSTRACT

The first phase of construction by the Corps of Engineers began at the Magic Valley Steelhead Hatchery site on the spring water collection system, February, 1985 and was completed in August, 1985. The second well was drilled on the site during the summer, 1985.

In preparation for the early construction of the hatchery, the Corps of Engineers office and materials testing laboratory was moved to the construction site from the Hagerman National Fish Hatchery.

Because of construction, no fish were produced at the Magic Valley Steelhead Hatchery; however, the Hagerman National Fish Hatchery reared 231,991 steelhead trout smolts and released them into the Salmon River drainage.

Author:

Robert L. Vaughn
Fish Hatchery Superintendent III

INTRODUCTION

The Magic Valley Steelhead Hatchery is part of the Lower Snake River Compensation Plan (LSRCP). This plan compensates for the losses of anadromous fish caused by the lower Snake River Dams. The hatchery site is located seven miles northwest of Filer, Idaho, in the Snake River Canyon, on the south side of the river at the mouth of Cedar Draw Creek. Upon completion, the hatchery will receive 120 cfs of water from Crystal Springs, located on the north side of the river. The spring water is then piped to the hatchery site on the south shore.

OBJECTIVES

1. To observe all phases of construction and develop a good working knowledge of the hatchery and report any operational difficulties due to design or construction problems.
2. To assist in rearing steelhead trout at the Hagerman National Fish Hatchery until the Magic Valley Steelhead Hatchery is completed.

FISH PRODUCTION

Because of construction, there was not any fish produced at the Magic Valley Steelhead Hatchery. The Hagerman National Fish Hatchery produced and released 22,787 "A" strain steelhead smolts weighing 51,040 lbs and averaging 4.4/lb, and 9,204 "B" strain steelhead smolts weighing 1,950 lbs and averaging 4.7/lb for the hatchery during its construction. These fish were transported to the upper Salmon River, Little Salmon River, and East Fork of the Salmon River during March and April by a private carrier using the Corps of Engineers semi-tank trailer.

HATCHERY CONSTRUCTION

The first phase of hatchery construction was completed with the excavation of the spring collection system, located on the north side of the Snake River. Water developed from the springs was 120 cfs, at a temperature of 59°F.

After the primary construction contract for the hatchery is signed, early in 1986, all of the existing structures, concrete raceways, trees and vegetation will be removed. Once this is completed, construction will begin.

The second of two wells was drilled during the summer. It's flow was tested at 265 gpm.

New lines and poles were installed by Idaho Power Company, in preparation for full scale production.

MISCELLANEOUS ACTIVITIES

Magic Valley Steelhead Hatchery personnel participated in check stations, loading steelhead smolts, training sessions, physical fitness assessments, firearms qualification, law enforcement training, and personnel meetings.

Mike Graham assisted the Hagerman National Fish Hatchery with the rearing of steelhead trout, and manned the East Fork Salmon River satellite facility during the summer months.

The water table gauges on the hatchery site were read weekly, with a report being sent to the Walla Walla Corps of Engineers.

ACKNOWLEDGEMENTS

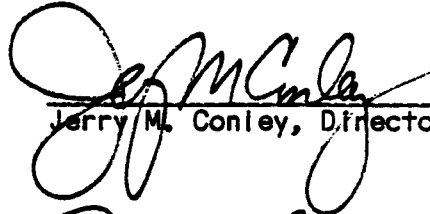
Robert Vaughn, Fish Hatchery Superintendent III
Mike Graham, Fish Hatchery Superintendent II

Submitted by:

Robert L. Vaughn
Fish Hatchery Superintendent III

Approved by:

IDAHO DEPARTMENT OF FISH AND GAME



Jerry M. Conley, Director



David L. Hanson, Chief
Bureau of Fisheries



Evan Parrish
Fish Hatchery Manager